

Site 24 Update

Former Naval Station Treasure Island

September 2018 BCT Meeting

Mukesh H. Mehta, PG, CEG
Project Manager
Navy BRAC

Site 24 – Performance Monitoring Program



- Remedial action (RA) completed in January 2017
- Sixth round of post-RA performance sampling completed in June 2018

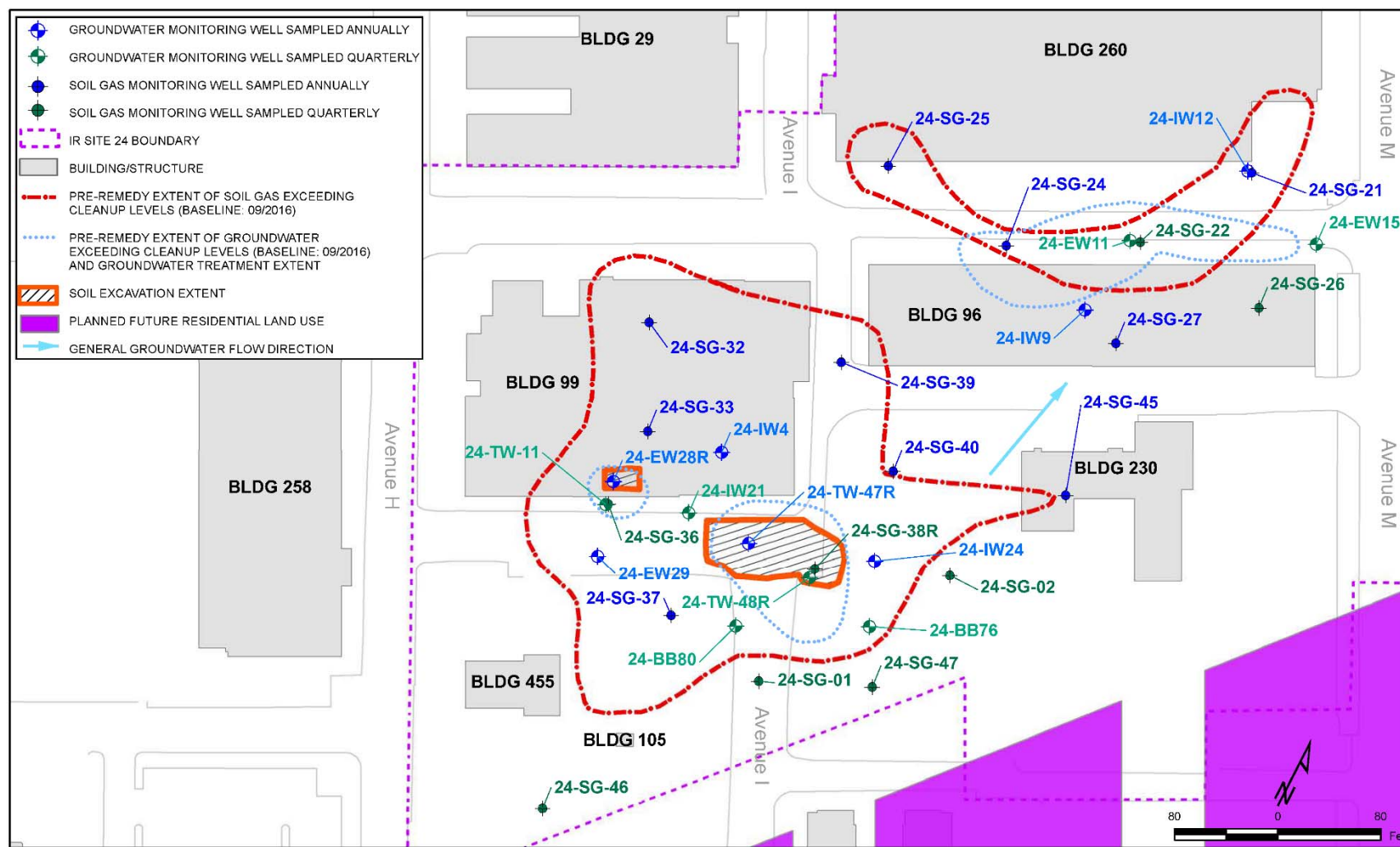


Groundwater sampling

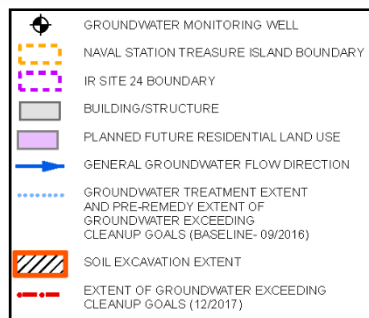


Soil gas sampling

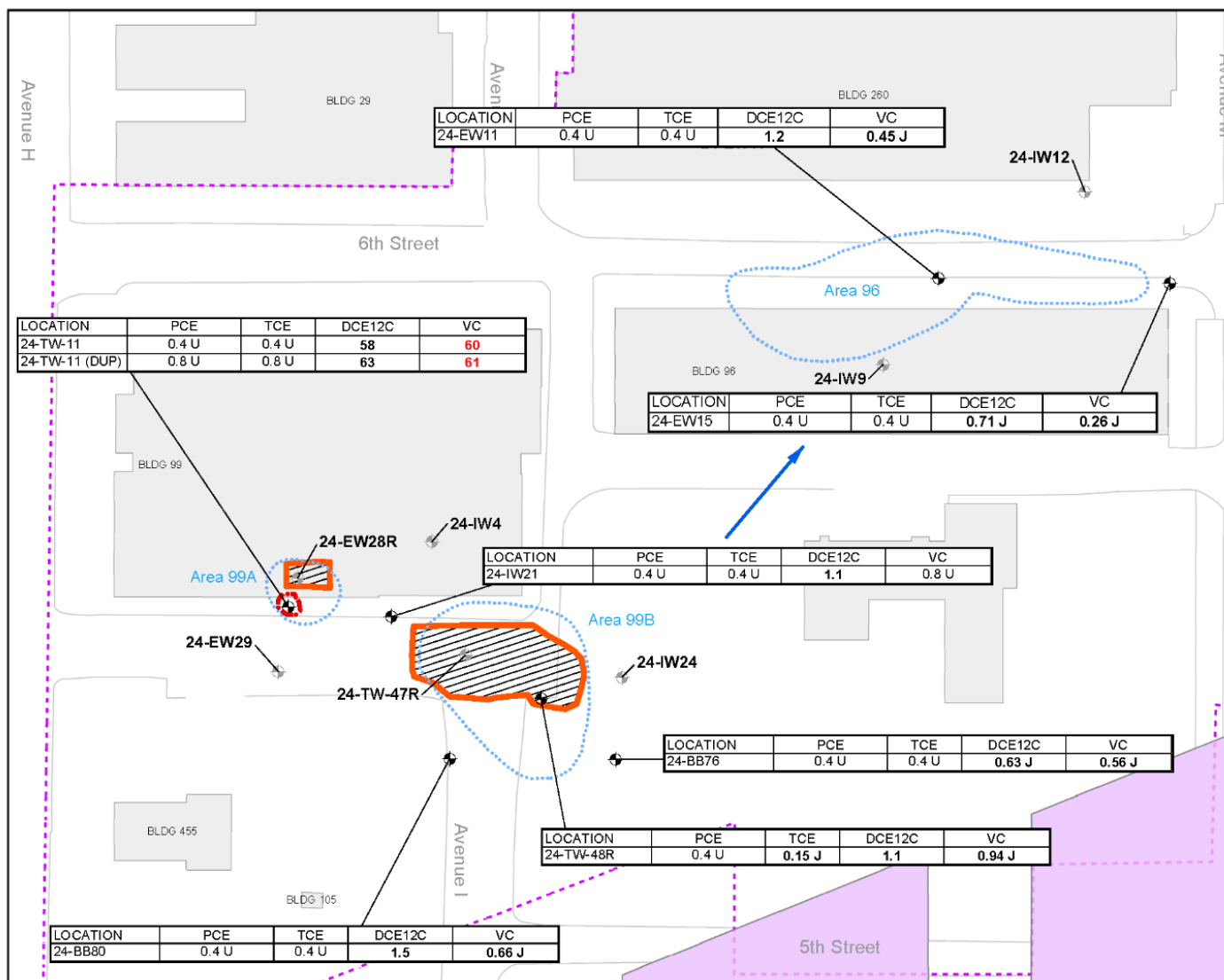
Site 24 – Performance Monitoring Program



Site 24 – Groundwater Results June 2018

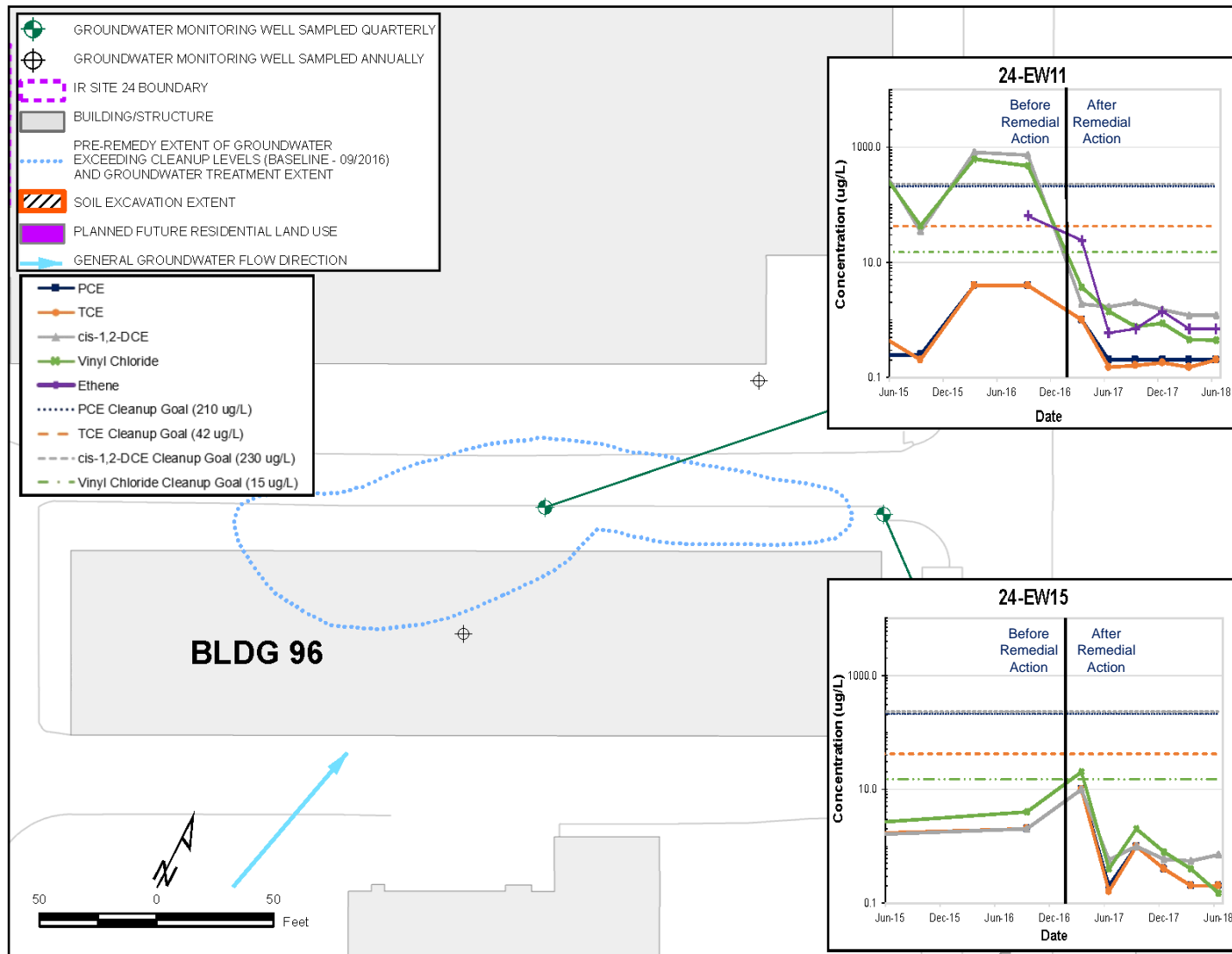


RED value exceeded remedial goal.
 GROUNDWATER CLEANUP GOALS:
 PCE = 210 µg/L
 TCE = 42 µg/L
 DCE12C = 230 µg/L
 VC = 15 µg/L



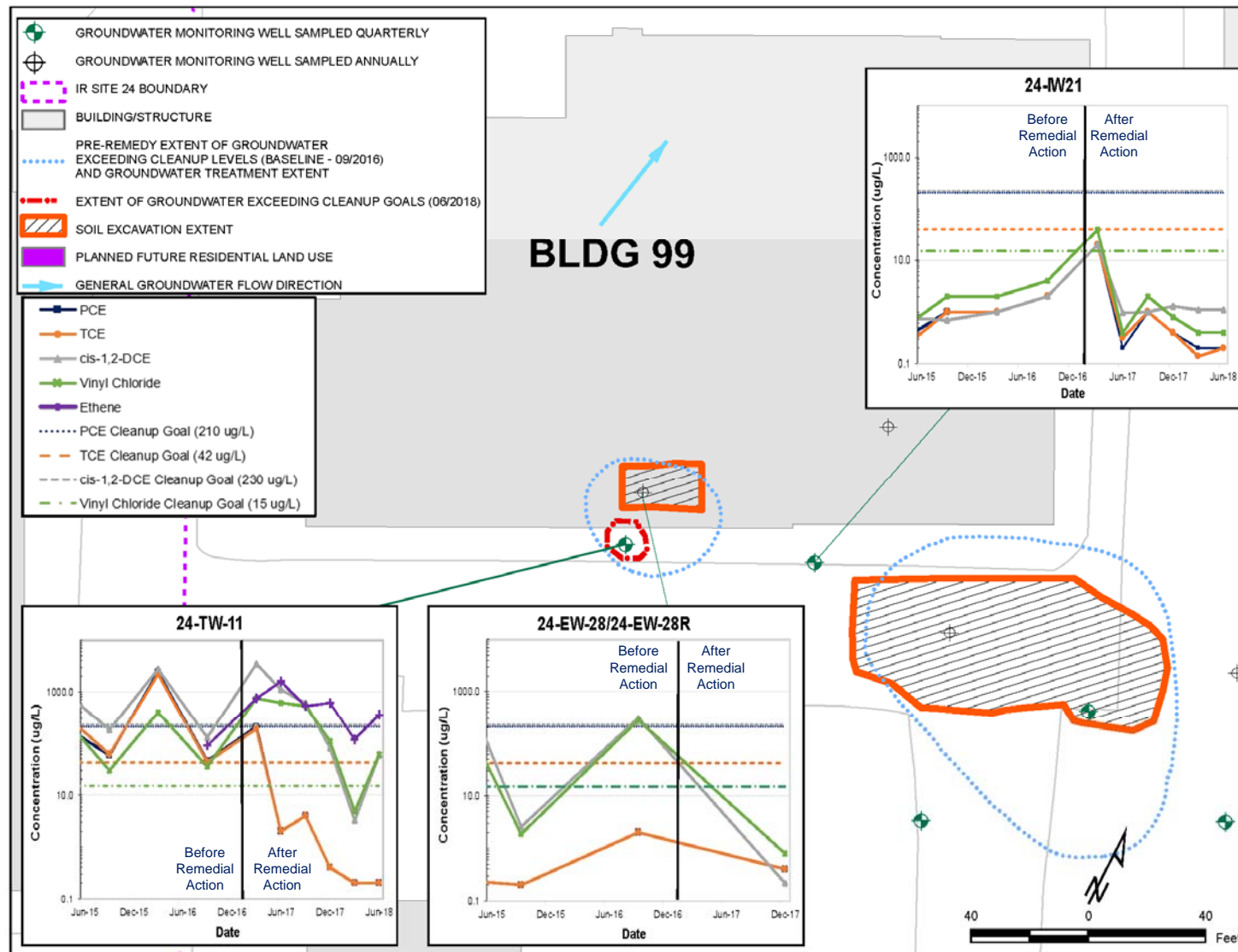
\\S:\Shared\PERMAC\INT_Site_24\Database\GIS\NAVFAC\Fig_2_RACR_T104_RORA_GW_201802.mxd (in 8/23/2018)

Site 24 – Groundwater Results through June 2018



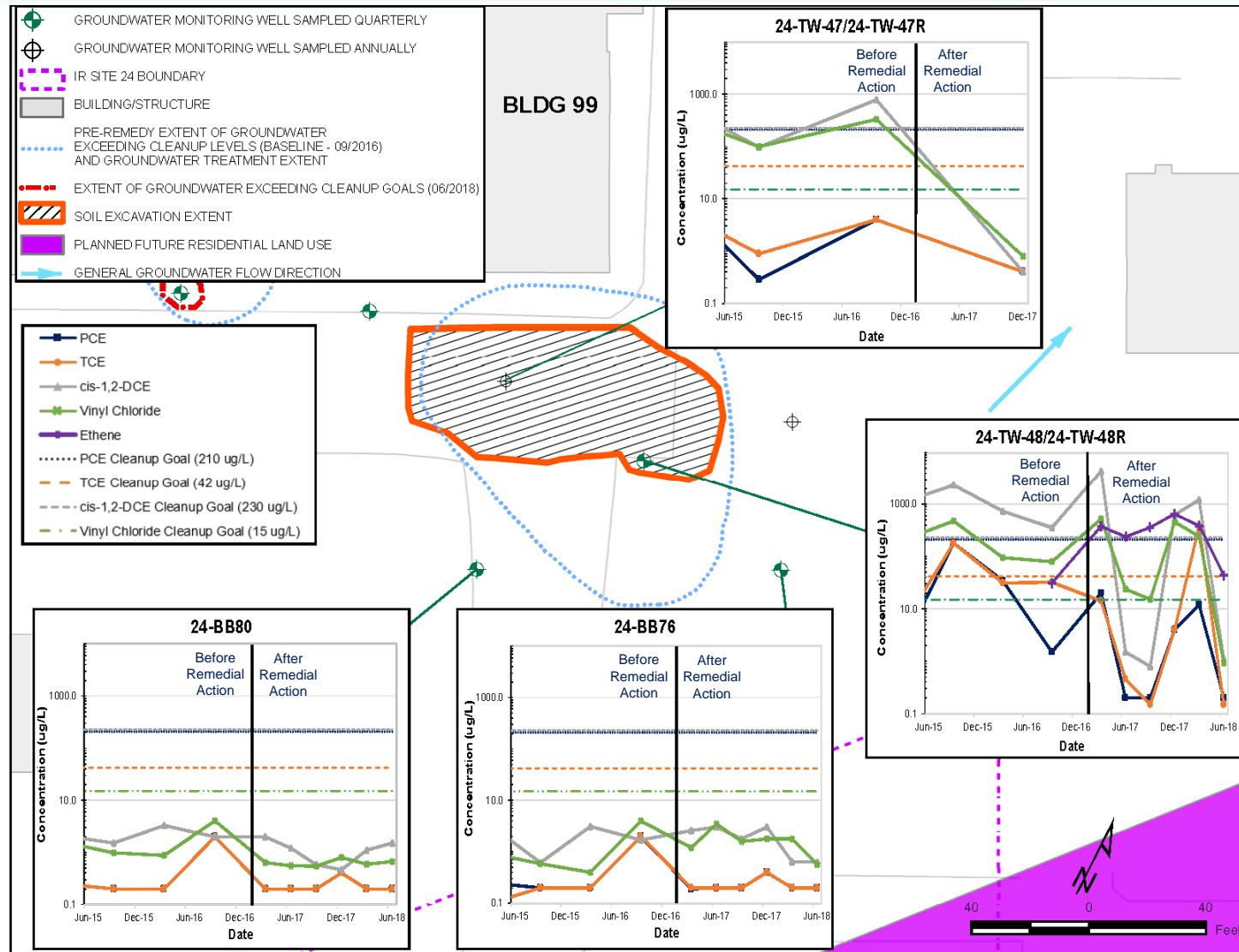
Vertical black line on graphs represents completion of the remedial action

Site 24 – Groundwater Results through June 2018



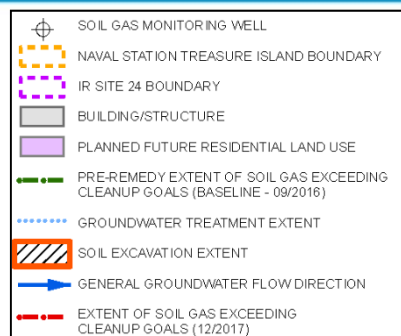
Vertical black line on graphs represents completion of the remedial action

Site 24 – Groundwater Results through June 2018

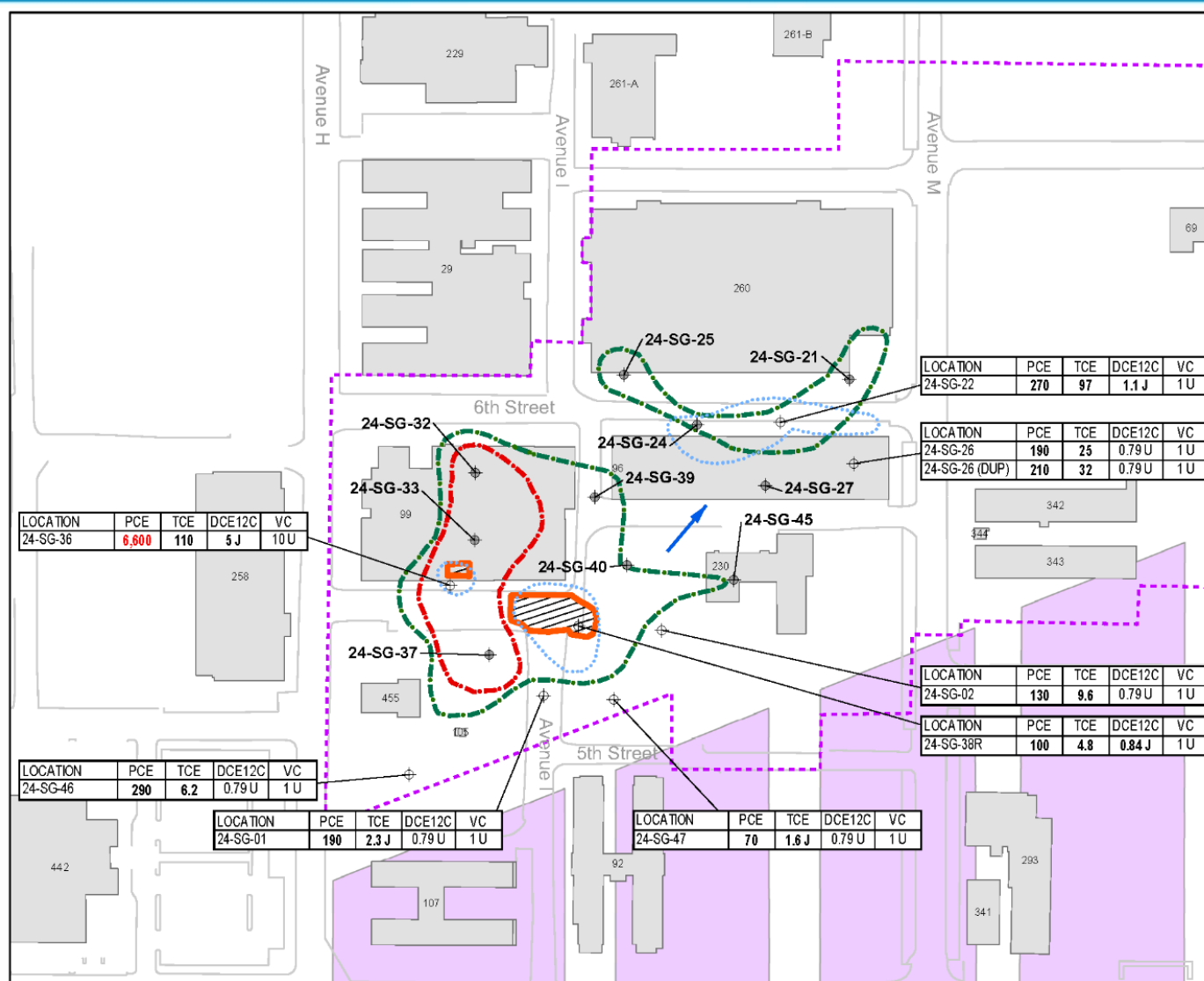


Vertical black line on graphs represents completion of the remedial action

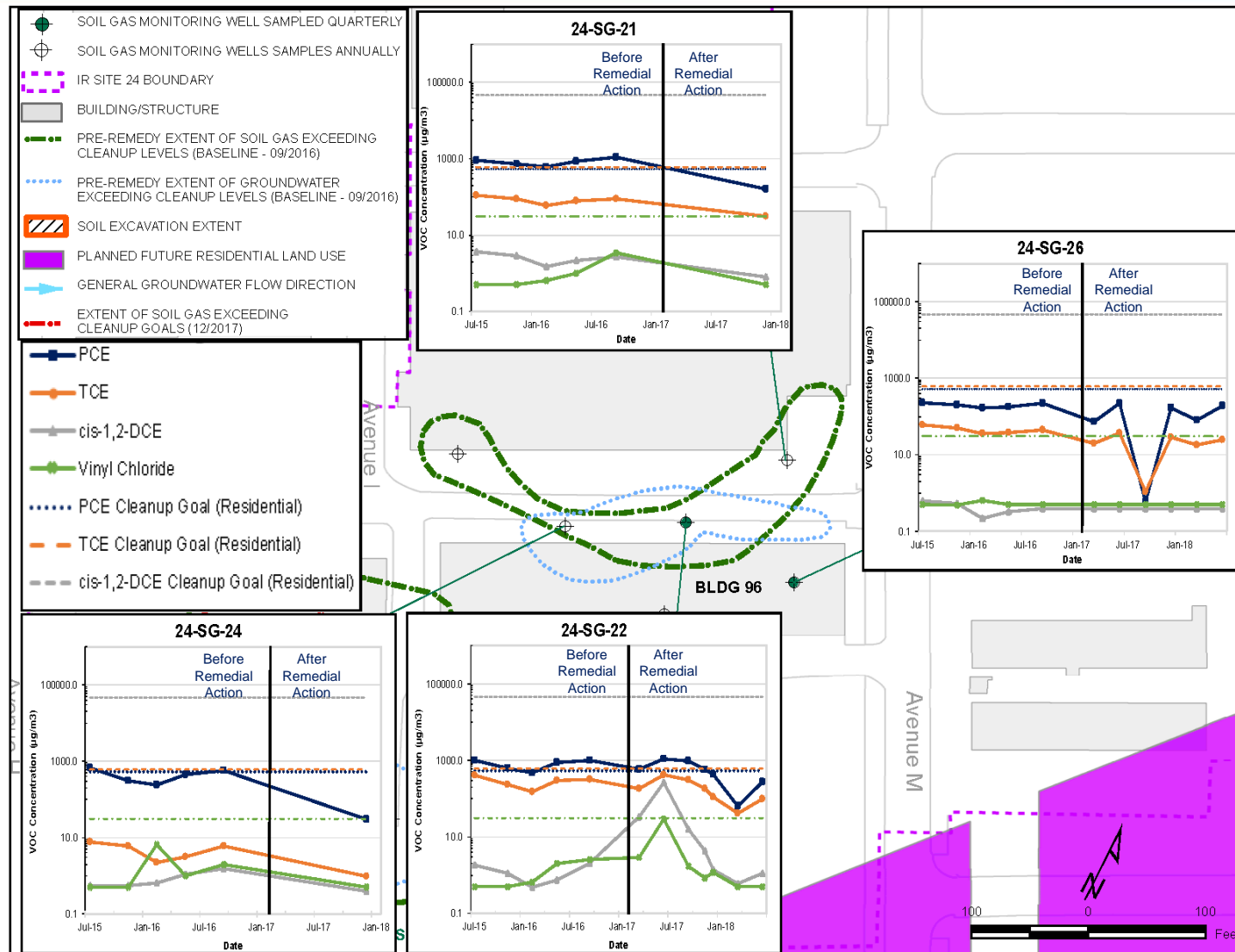
Site 24 – Soil Gas Results June 2018



RED value exceeded action level.
 SOIL GAS CLEANUP GOALS:
 PCE = 533 $\mu\text{g}/\text{m}^3$
 TCE = 615 $\mu\text{g}/\text{m}^3$
 DCE12C = 46,408 $\mu\text{g}/\text{m}^3$
 VC = 31 $\mu\text{g}/\text{m}^3$

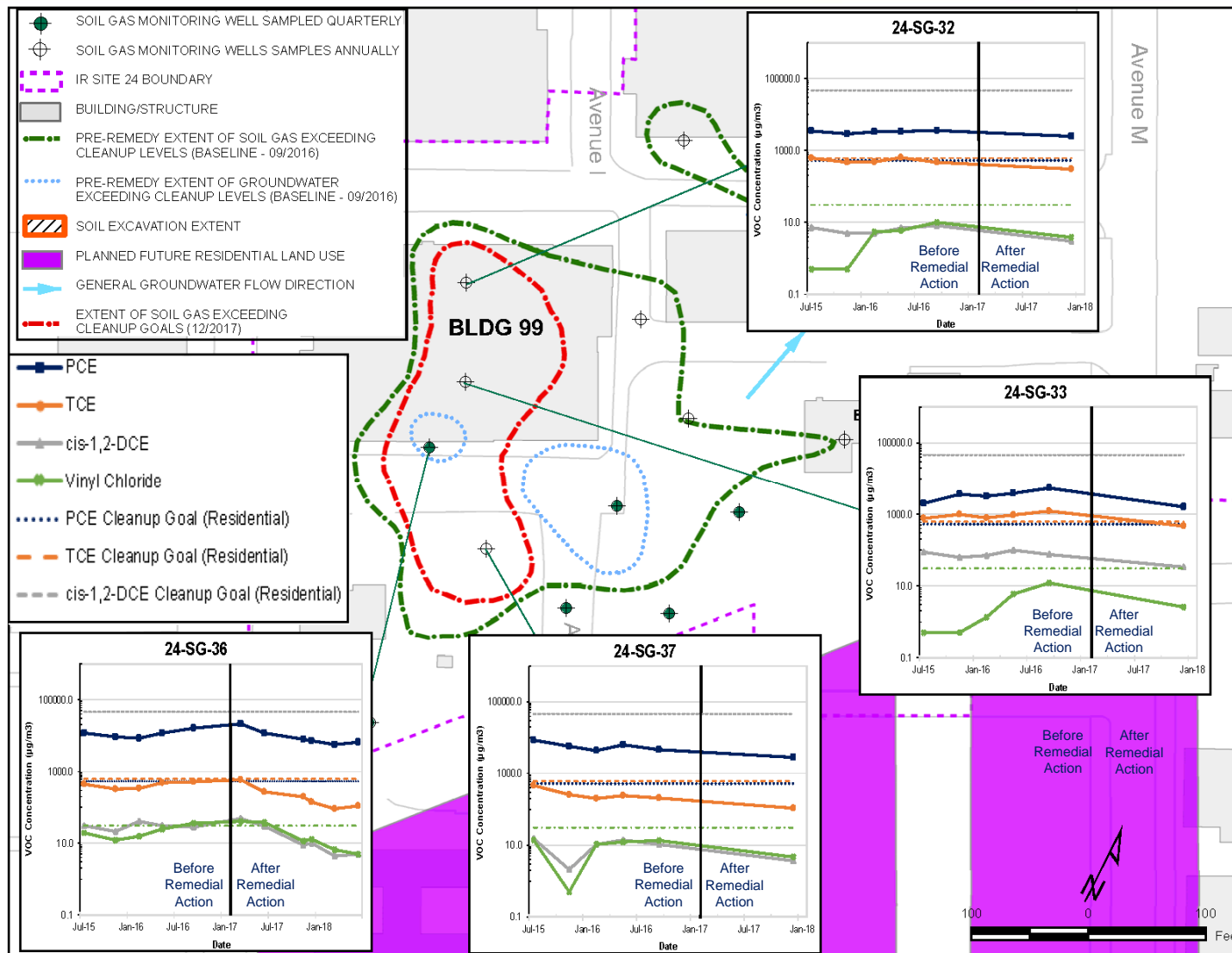


Site 24 – Soil Gas Results through June 2018



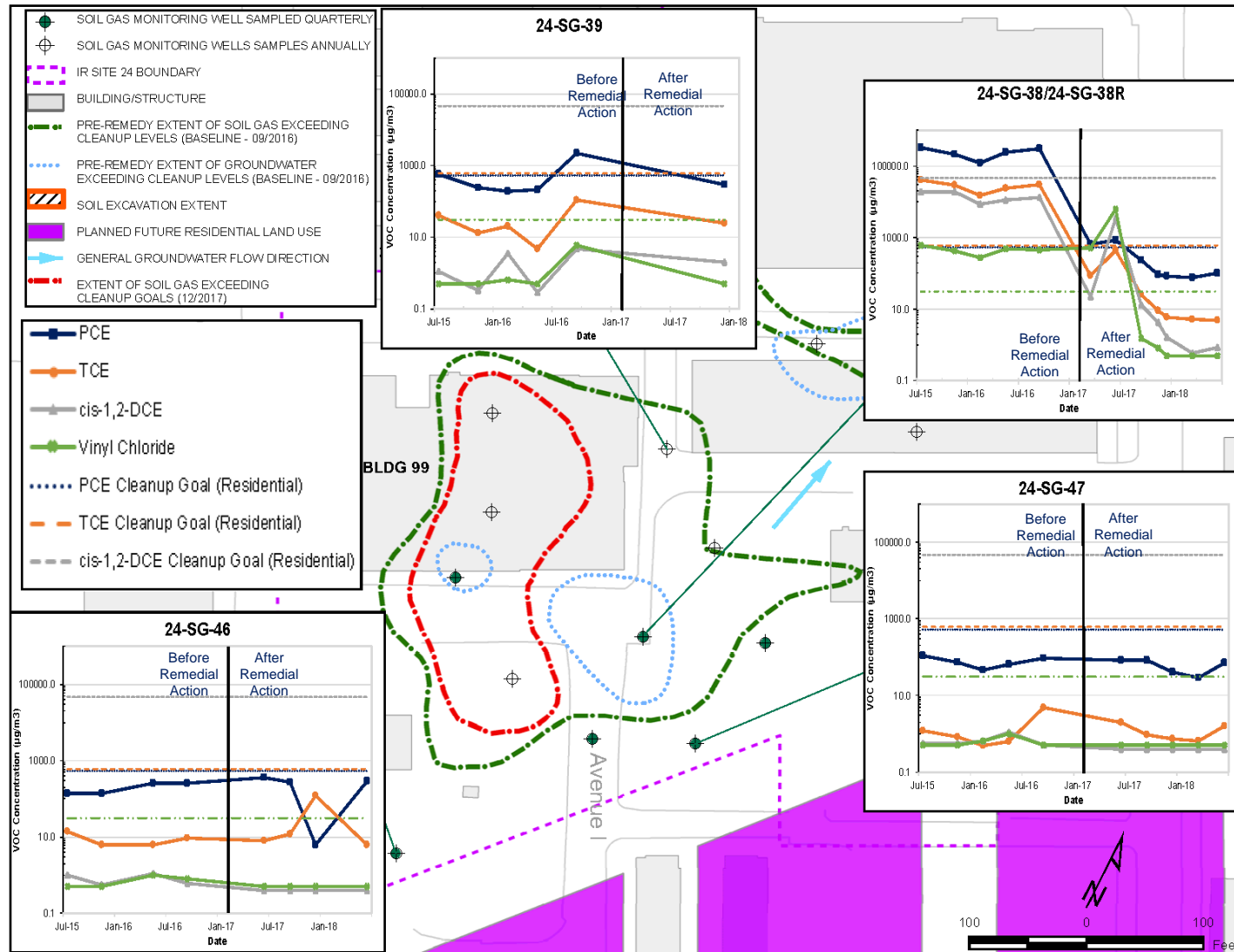
Vertical black line on graphs represents completion of the remedial action

Site 24 – Soil Gas Results through June 2018



Vertical black line on graphs represents completion of the remedial action

Site 24 – Soil Gas Results through June 2018



Vertical black line on graphs represents completion of the remedial action

Site 24 – Results Summary



- **Groundwater**

- Treatment is effective and working as expected and designed
 - One remaining small hotspot of vinyl chloride above cleanup goal
- Evidence of full dechlorination to ethane/water
- Anticipate continued degradation of contaminants due to favorable groundwater conditions
- Anticipate concentrations in groundwater to continue decreasing

- **Soil Gas**

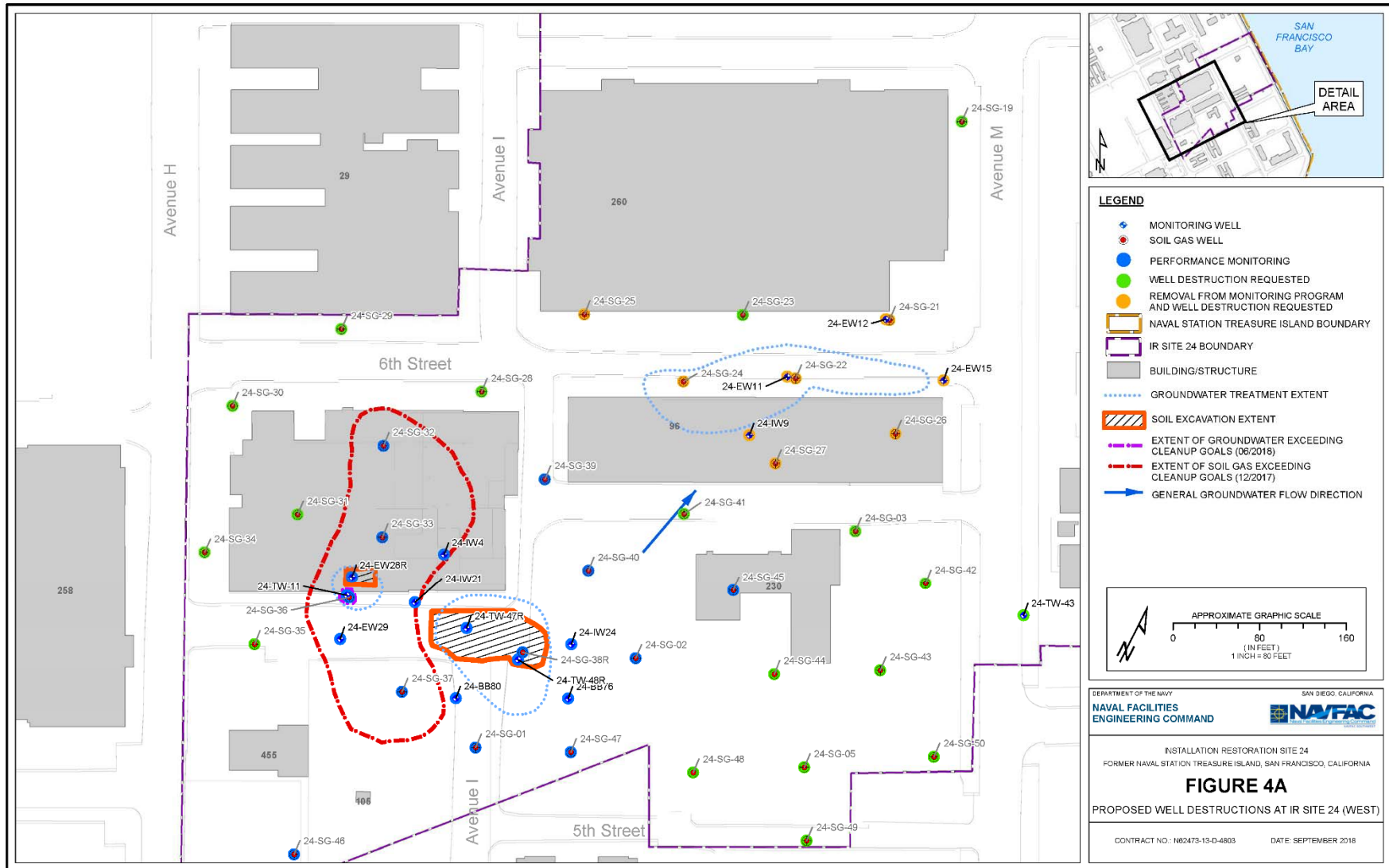
- Significant soil gas contaminant reductions since the remedial action
 - Only four wells above cleanup goals
- Anticipate soil gas levels to continue to decline

Site 24 – Conclusion/Path Forward



- Cleanup goals achieved in the area of Building 96
- Progress towards achieving cleanup goals for the remaining much-reduced plume footprints near Building 99
- Institutional controls will be implemented as described in the ROD, as the property is to be transferred before unlimited use/unlimited exposure cleanup goals are achieved
 - Draft Land Use Control Remedial Design Work Plan is in progress
- According to the I-RACR, optimization of the performance monitoring program could be proposed following the 6th quarterly sampling event (June 2018)
 - Proposed optimization included removal of groundwater and soil gas wells at Building 96 because cleanup goals have been achieved

Site 24 – Proposed Optimization



Site 24 – Schedule



Date	Activity
September 2018	7 th Quarterly Performance Groundwater and Soil Gas Monitoring Event
November 2018	Draft Land Use Control Remedial Design (LUC/RD)
December 2018	8 th Quarterly and 2 nd Larger Annual Performance Groundwater and Soil Gas Monitoring Event
December 2018	Final Land Use Control Remedial Design (LUC/RD)
January 2019	Property Transfer GW/SG sampling merge with Basewide Program

Questions?

